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(30) Priority:	<b>15.10.97 JP 09297717</b>	(71) Applicant: <b>YAMAHA MOTOR CO LTD</b>
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# (54) DUMMY TONE GENERATING DEVICE FOR VEHICLE

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To generate dummy tones approximating various actual noise sounds in various operation states with a less amount of stored information.

**SOLUTION:** The dummy tone generating device 1 has an operation manipulated variable detecting means 2, a rotating speed calculating means 3, a rotating speed calculating means 4 which calculates the rotating speed of a driving device according to a detected manipulated variable, a sounding control means 5 which outputs a sounding control signal according to the input of a manipulated variable and a rotating speed, a storage means 6 which stores driving sound data of the driving device in advance, and a dummy tone output means 7 which outputs a voltage signal corresponding to a sound pressure signal. In this case, the storage means 6 divides the operation state of the driving device into ranges by regarding the manipulated variable and rotating speed as parameters and stores driving sounds of the driving device recorded in nearly the center states of the respective ranges as digital data on the driving sounds in units of sound pressure waveforms nearly as long as periodic sounding intervals of the driving device and the sounding control means 5 outputs a sounding control signal so that driving sound data in the operation state range corresponding to the input of the manipulated variable and rotating speed are repeatedly sounded.

